AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code	Page 1 Of 13
Firm-Fixed-Price	

2. Amendment/Modification No.	3. Effective Date	4. Requisition/Purchase Req No.	5. Project No. (If applicable)
0001	2009OCT21	SEE SCHEDULE	

6. Issued By Code W56HZV

U.S. ARMY CONTRACTING COMMAND
AMSCC-TAC-ADCD
LORI E. FINCHEM (586)574-8232
WARREN, MICHIGAN 48397-5000
HTTP://CONTRACTING.TACOM.ARMY.MIL

EMAIL: LORI.FINCHEM@US.ARMY.MIL

7. Administered By (If other than Item 6) Code

SCD PAS ADP PT

8. Name And Address Of Contractor (No., Street, City, County, State and Zip Code)

Code Facility Code

[X] **9A. Amendment Of Solicitation No.**
W56HZV-09-R-0278

9B. Dated (See Item 11)
2009SEP29

[ ] **10A. Modification Of Contract/Order No.**

10B. Dated (See Item 13)

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[X] **The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers**

[ ] **is extended,** [X] **is not extended.**

Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended by one of the following methods: (a) By completing items 8 and 15, and returning 2 signed **copies of the amendments: (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.**

12. Accounting And Appropriation Data (If required)

13. THIS ITEM ONLY APPLIES TO MODIFICATIONS OF CONTRACTS/ORDERS
It Modifies The Contract/Order No. As Described In Item 14.

[ ] **A. This Change Order is Issued Pursuant To: The Changes Set Forth In Item 14 Are Made In The Contract/Order No. In Item 10A.**

[ ] **B. The Above Numbered Contract/Order Is Modified To Reflect The Administrative Changes (such as changes in paying office, appropriation data, etc.) Set Forth In Item 14, Pursuant To The Authority of FAR 43.103(b).**

[ ] **C. This Supplemental Agreement Is Entered Into Pursuant To Authority Of:**

[ ] **D. Other (Specify type of modification and authority)**

E. IMPORTANT: Contractor [ ] **is not,** [ ] **is required to sign this document and return _____ copies to the Issuing Office.**

14. Description Of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

SEE SECOND PAGE FOR DESCRIPTION

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name And Title Of Signer (Type or print)		16A. Name And Title Of Contracting Officer (Type or print)	
15B. Contractor/Offeror _____ (Signature of person authorized to sign)	15C. Date Signed	16B. United States Of America By /SIGNED/ (Signature of Contracting Officer)	16C. Date Signed

SECTION A - SUPPLEMENTAL INFORMATION
Solicitation: W56HZV-09-R-0278
Amendment: 0001

1. This is amendment 0001. The time and date for receipt of proposals remain unchanged.

2. Make the following clarification in the note on pages 6 and 7 of the basic solicitation.

NOTE: EACH ORDERING YEAR ESTIMATED QUANTITY IS A 12 MONTH AVERAGE MONTHLY QUANTITY DEMAND WITH CONTRACT FACTORS BUILT IN AND A 25% QUANTITY INCREASE PER YEAR.

3. The following changes are made to Section C Scope of Work:

12-man boat: The requirement for eight paddles has been increased from eight paddles to nine paddles where ever it appears.

3-man boat: Delete Paddles where ever it appears and substitute oars.

Revise C.3.4.2 to delete the requirement for a roll up floor.

Delete C.3.4.2.1 and replace with: Standard floor, (aluminum slats), an 80 horsepower outboard motor, maximum weight of engine 308 pounds.

Delete: C.3.4.2.2 Roll-up floorboard

C.3.14: Requirement for roll-up floor is deleted.

C 6.5 Add the following clarification: The weight 57 lbs, includes everything packed: the carrying case, inflatable boat and equipment bag. The equipment bag holds the paddles (oars), foot pump, tow bridle, tech manual, pressure gauge, repair kit.

C.6.5. Is clarified to reflect that the storage and transporting case is the same item. One case for two functions (storing and transporting).

C 6.7 Add: Composite oars can be substituted as long as they are collapsible, can float, and are the color black.

4. The Executive Summary is revised to reflect the changes to Section C.

5. The TICs are revised to reflect the changes to Section C.

6. All other terms and conditions remain unchanged.

****
EXECUTIVE SUMMARY FOR REQUEST FOR PROPOSAL
Indefinite Delivery/Indefinite Quantity Contract

A.1 The TACOM Contracting Center-Warren and the TACOM-LCMC Support and Deployment PSID are seeking:
a. 12-Man Inflatable Boat consisting of a boat, rapid inflation system, pressure gauge, lifting slings, towing bridle, nine (9) paddles, fuel bladder, fuel line, storage and transport case, and operators manual.
b. 3-Man Inflatable Boat consisting of a boat, rigid floor, two (2) foot pumps, lifelines, grab lines, stowage rings, mooring ring, and operators manual.

A.2 Introduction: This Executive Summary is provided as a synopsis of important and relevant features of this solicitation. This acquisition is being issued under the authority of the Federal Acquisition Regulation (FAR) Part 12, which creates a simplified contract format using techniques that are similar to those used in private-sector contracting.

A.3 Competition: Full and Open Competition

A.4 Acquisition Approach: The Government plans to award up to two Firm-Fixed-Price Indefinite Delivery/Indefinite Quantity (IDIQ) Contracts with five (5) ordering years. This is a two step source selection. The minimum contract quantity will be awarded at the same time as the basic contract award(s).

A.5 Basis of Award:
The Government intends to award up to two Firm-Fixed-Price Indefinite Delivery/Indefinite Quantity Contracts on a Two-Phase Source Selection basis as further described in the section titled EVALUATION FACTORS FOR AWARD. Phase I will be an Acceptable/Unacceptable

evaluation of Technical proposals. Phase II will be an assessment of proposed Prices. The decision to award one or two contracts will be based upon an assessment, considering only proposals rated Acceptable in Phase I, of whether the lowest total evaluated price to Government (as determined pursuant to M.11.e will be realized by awarding 2 separate contracts (one for the 3 man Boat and one for the 12 Man boat), or by awarding a single contract to an Offeror proposing a combination of a 3 man boat and 12 man boat. In the event award of a single contract offers the best value to the Government, the Government will also consider, as part of its responsibility determination, whether the Offeror has the capability to produce both the boats in accordance with the anticipated delivery schedule.

Evaluation for Split Award: Offerors are NOT required to include both sizes of the boat in their proposal. The Government may split the award. Nevertheless, the Offeror may explicitly restrict its own proposal to being considered only for a single award that includes both types of boat. Offers may not be submitted for quantities of a specific boat less than those specified by the solicitation concerning that boat.

It is assumed, for the purpose of evaluating proposals, that $500 would be the administrative cost to the Government for issuing and administering each contract awarded under this solicitation, and individual awards will be for the items or combinations of items that result in the lowest aggregate cost to the Government, including the assumed administrative costs, all other aspects of the Phase II evaluation being equal.

A.6 Two Phase Evaluation Process: The evaluation of proposals in response to this solicitation is structured in two phases:
Phase I - Technical - Acceptable/Not Acceptable
Phase II - Low Price

As further described in M.9. Phase I Acceptable/Unacceptable, Phase I will result in a determination of acceptability, on an Acceptable or Not Acceptable basis of the Offerors proposal, as a prerequisite for being eligible for award under Phase II. Failure of the Offeror to meet the requirements specified in M.9 Phase I will result in the Offerors proposal being rated Not Acceptable under the Phase I evaluation. The Government does not intend to evaluate, as part of the Phase I Acceptable/Unacceptable evaluation, every Section C requirement for each boat, but only those Section C paragraphs which have a question in the TIQ. Notwithstanding the proposal evaluation, all requirements of the Section C scope of work will be reviewed at inspection and acceptance. Any Offeror proposal assessed as Not Acceptable in Phase I will not be considered eligible for award under Phase II.

Note: Technical performance beyond the minimum acceptable, as defined in this solicitation, will not be given extra evaluation credit.

A.7 Quantities:

Estimated Quantities per Year Over Five Years

	Year 1	Year 2	Year 3	Year 4	Year 5
12-Man	118	118	68	67	67
3-Man	13	23	13	13	13

Minimum Quantity:

12-Man	12 each
3-Man	2 each

Maximum Quantity

12-Man	438 each
3-Man	75 each

A.8 PLEASE READ SECTIONS TITLED INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS AND EVALUATION FACTORS FOR AWARD CAREFULLY SO YOU UNDERSTAND WHAT IS TO BE SUBMITTED AND WHEN AND HOW IT WILL BE EVALUATED.

A.9 No Discussions Anticipated: The Government intends to award a contract without holding discussions with Offerors. Thus, each Offeror should be careful to include any and all information requested in the solicitation at time of submittal. However, the Government reserves the right to hold discussions should it deem them to be in its best interests in determining the best value proposal.

A.10 Submission of Offers:

a. Volume 1 Contract Volume and Volume 3 are required to be submitted electronically through Army Single Face to Industry Bid Response System (ASFI-BRS. Paper copies of Volume 1 Contract Volume and Volume 3 Pricing Volume will not be accepted. Offerors must submit electronic copies of these volumes in accordance with clause 52.204-4016 entitled TACOM-Warren Electronic Contracting.

b. Paper copies of Volume 2 the TIQ and supporting data will be accepted. Any supporting documentation and the Commercial off the shelf manual must be submitted by US mail or Hand carried. See Hand-carried offers 52.215-4003 Hand-carried Offers - Including Offers Delivered By Express Services (Non-U.S. Postal Service Mail) NOV/2008 (TACOM)

A.11 Amendments: Amendments will be posted on ASFI. Please acknowledge any amendments to this solicitation in the space provided on page 3 of the solicitation. Include the number and date of each amendment.

A.12 Notice Regarding Fill-Ins: Please note that this solicitation contains several clauses and provisions which require you to complete a fill-in or representation. If you don't complete these fill-ins, your offer may be determined ineligible for award. So please be careful to read and complete each such clause and provision.

A.13 Estimated Schedule of Events.

	Days after Receipt of Proposal
Proposal Receipt	0
Pre-Award Survey	10
Award of Basic Contract	60
Award of Delivery Order 0001 with Minimum Quantities	60

A.14 Inconsistencies between the Executive Summary and Solicitation: The Executive Summary has been prepared as an aid to you, the potential Offeror. We have made every attempt to accurately reflect the requirements and information contained in the balance of this solicitation. However, if you find any inconsistency between this Executive Summary and the solicitation, please contact the Contract Specialist, Lori Finchem at lori.finchem@conus.army.mil. Please retrieve all documents from the TACOM website. All other websites do not contain a complete set of documents for your review.

*** END OF NARRATIVE A0001 ***

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION B - SUPPLIES OR SERVICES AND PRICES/COSTS THE FOLLOWING DEFINITIONS APPLY TO THE ENTIRE SOLICITATION AND RESULTING CONTRACT: BASIC CONTRACT ORDERING PERIOD FIRST ORDERING YEAR OF THE CONTRACT IS THE DATE OF AWARD PLUS 364 DAYS. SECOND ORDERING YEAR OF THE CONTRACT IS 365 DAYS THROUGH 729 DAYS AFTER CONTRACT AWARD. THIRD ORDERING YEAR OF THE CONTRACT IS 730 DAYS THROUGH 1,094 DAYS AFTER CONTRACT AWARD. FOURTH ORDERING YEAR OF THE CONTRACT IS 1,095 DAYS THROUGH 1,459 DAYS AFTER CONTRACT AWARD. FIFTH ORDERING YEAR OF THE CONTRACT IS 1,460 DAYS THROUGH 1,824 DAYS AFTER CONTRACT AWARD. NOTE: THE PRICE APPLICABLE TO AN INDIVIDUAL ORDER IS THE PRICE FOR THE ORDERING YEAR IN WHICH THE ORDER IS ISSUED. THE DELIVERY DATE DOES NOT DETERMINE THE ORDERING YEAR. ********** SUPPLIES OR SERVICES AND PRICES/COSTS: IN THE FOUR DIGIT ITEM NUMBERS (CLINS) THAT FOLLOW, THE NUMBERING SYSTEM THAT IS USED IS AS FOLLOWS: THE FIRST THREE DIGITS SIGNIFY ITEM AND THE FOURTH (LAST) DIGIT SIGNIFIES THE APPLICABLE CONTRACT YEAR, i.e., CLIN 0011 IS FOR THE FIRST ITEM - FIRST ORDERING YEAR, CLIN 0012 IS FOR THE FIRST ITEM - SECOND ORDERING YEAR, CLIN 0013 IS FOR THE FIRST ITEM - THIRD ORDERING YEAR, ETC. ********** The information presented below applies to each CLIN as follows: 0011AA, 0012AA, 0013AA, 0014AA, 0015AA -- Minimum 5-Year Quantity: 12 EACH (This will be ordered at the time of the basic contract award). Maximum 5 Year Quantity: 438 EACH ONLY THE MINIMUM 5 YEAR QUANTITY IS GUARANTEED. NOTE: EACH ORDERING YEAR ESTIMATED QUANTITY IS A 12 MONTH "AVERAGE MONTHLY QUANTITY DEMAND" WITH CONTRACT FACTORS BUILT IN AND A 25%				

Name of Offeror or Contractor:

ITEM NO	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	QUANTITY INCREASE PER YEAR. ********** 0021AA, 0022AA, 0023AA, 0024AA, 0025AA -- Minimum 5-Year Quantity: 2 EACH (This will be ordered at the time of the basic contract award). Maximum 5 Year Quantity: 75 EACH ONLY THE MINIMUM 5 YEAR QUANTITY IS GUARANTEED. NOTE: EACH ORDERING YEAR ESTIMATED QUANTITY IS A 12 MONTH "AVERAGE MONTHLY QUANTITY DEMAND" WITH CONTRACT FACTORS BUILT IN AND A 25% QUANTITY INCREASE PER YEAR. ********** CAUTION: OFFERORS MUST SUBMIT OFFERS ELECTRONICALLY IN ACCORDANCE WITH DIRECTIONS IN THE TACOM-WARREN PROCUREMENT NETWORK WEBPAGE AT: HTTP://CONTRACTING.TACOM.ARMY.MIL/EBIDNOTICE.HTM ALL OFFERS MUST INCLUDE A SIGNED SF33/SF1449 COVER SHEET. RESPONSES TO REQUEST FOR PROPOSALS (RFPS): SEE DIRECTIONS IN THIS WEBPAGE FOR ACCEPTABLE ELECTRONIC FORMATS AND ACCEPTABLE MEDIA. ********** (End of narrative A001)				
0011AA	FIRST ORDERING YEAR Packaging and Marking PACKAGING/PACKING/SPECIFICATIONS: SEE SECTIONS C & D LEVEL PRESERVATION: Commercial LEVEL PACKING: Commercial Inspection and Acceptance INSPECTION: Origin ACCEPTANCE: Origin	118	EA	$_____	$_____

SECTION C - DESCRIPTION/SPECIFICATIONS/WORK STATEMENT

C.1 System Capabilities 12-Man Boat:

The Boat Inflatable 12-Man shall consist of a boat, inflation system, nine (9) paddles, fuel bladder and fuel line, , repair kit, one (1) equipment bag, one (1) storage carrying case, two (2) hand or foot pumps with hoses, factory calibrated pressure gauge, rapid inflation components, lifeline, lifting slings, towing bridle, fuel bladder, and operators manual. Each inflatable boat, as specified below in paragraphs C.2 through C.3, shall be black in color.

C.2 Operating and Storage Environments:

C.2.1 The boat shall be capable of storage without degradation or damage in temperatures from -20 degree Fahrenheit to +120 degree Fahrenheit.

C.2.2 The expected operating environments are near coastal, central waterways, and open water. All material should be compatible with fresh, brackish, and salt waters. The expected operating temperature range is:

Mild cold (temperature ranges of -2 to +21 degrees F, humidity tending to saturation).
Intermediate hot dry (temperature ranges of 86 to 111 degrees F, humidity 8% to 40%).

C.2.3 The boat shall be able to withstand a minimum pressure of 2.5 times the manufacturers suggested operating pressure for 10 minutes. No evidence of failure shall occur such as seam slippage, rupture, or permanent distortion.

C.3 Boat: The 12-Man Boat shall be an inflatable boat that is capable of transporting 12 fully loaded combat soldiers or a dive team. The payload capability shall be at least 3,725 pounds, including an engine weighing a maximum of 308 pounds, and fuel.

C.3.1 Hull material shall be durable coated fabric suitable for the wear, air retention, durability and storage as identified in this scope of work.

C.3.2 Dimensions:

Overall Length Fully Inflated: 17 feet minimum, maximum 18 feet
Inside Length Fully Inflated: 12 feet minimum, maximum 13 feet
Overall Width Fully Inflated: 7 feet minimum, maximum 8 feet
Inside Width Fully Inflated: 3 feet minimum, maximum 4 feet

C.3.3 Minimum Boat Requirements:

Buoyancy tubes: At least four (4) primary buoyancy tubes shall be provided.

Fill method: Shall be capable of inflation from an external gas source and hand/foot pump. A tie down system shall be incorporated to secure compressed gas cylinder(s).

Fill rate: Using compressed gas shall be less than five (5) minutes.

Side wall protection: Shall have durable rubbing strake above the water line along the exterior of the main buoyancy chambers.

The boat shall have a rigid floor that can withstand incidental damage during loading and unloading of personnel and combat equipment. The floor system shall have user-replaceable components that can be repaired or replaced in a field environment.

The boat shall have several independent flotation compartments that can be joined during inflation and deflation but can also be isolated from each other in the event of a leak or damage. The boat shall still be operable and float even with one compartment completely damaged or drained. The flotation compartments shall have automatic overpressure relief valves.

The boat shall have separately inflatable keel and speed tubes to help with cutting through the water and maintain control at high speeds and during turns. The boat shall have heavy-duty keel. The keel shall be collapsible.

The boat shall have lifting and lowering points and come with the lifting harness as standard equipment. The boat shall have equipment tie down points along the length of the interior and exterior of the boat. The boat shall also have carrying handles along the outside of the boat that an operator can use while wearing gloves.

The boat shall come with a drain system to remove water that may be inside the boat. The bottom of the boat shall be capable of withstanding repeated beaching and landings on rock and sand without developing holes or affecting the buoyancy of the boat.

The boat shall be stable while on the water surface and while under power when moving forward or turning.

Lifelines: A single lifeline (suitable for supporting a minimum weight of 280 pounds, equivalent to one fully loaded combat soldier) of

black nylon shall be fastened to the periphery of the boat.

Stowage Rings: A minimum of ten (10) corrosion resistant D rings are shall be placed about the interior of the boat for securing equipment. Each stowage ring shall be suitable for securing equipment weighing a minimum of 100 pounds.

Grab-lines: Two (2) grab-lines shall be installed in the interior of the boat.

Drain Ports: Shall have self-bailers to evacuate excess water inside boat.

Lifting Sling: Shall include a single point clevis heavy duty lifting sling with attachments for boat. The lifting sling shall be suitable for lifting entire boat, accessories, and motor. A safety factor of 2.5 shall be used.

Mooring Ring: A bow mooring ring of corrosion resistant material shall be included.

Towing Apparatus: Rings suitable to towing are to be installed on the fore and aft portions of the boat. A bridle suitable for towing shall be included.

C.3.4 Engine Requirements:

C.3.4.1 The boat shall not be delivered with an engine.

C.3.4.2 The transom of the boat shall be capable of supporting and attaching long shaft, 20 inch, outboard motors (estimated weight 308 pounds). The transom shall support the motor and the boat shall be capable of full throttle propulsion for the following configuration:

Standard floor, (aluminum slats), an 80 horsepower outboard motor, maximum weight of engine 308 pounds.

C.3.4.2.2 DELETED

C.3.5. Materials

Any metal components shall be made of corrosion resistant material.

The inflatable boat shall be fabricated from compatible materials, inherently corrosion resistant or treated to provide protection against the various forms of corrosion and deterioration that may be encountered in any of the applicable operation and storage environments to which the inflatable boat may be exposed.

Dissimilar metals shall not be used in intimate contact with each other unless protected against galvanic corrosion. Dissimilar metals and methods of protection are defined and detailed in Metals Handbook, Ninth edition, Volume 13, Corrosion.

The contractor shall identify the specific material, material finish or treatment for use with components and sub-components, and shall make information available upon request to the contracting officer or designated representative.

The aluminum floorboard system shall be made of lightweight, corrosion resistant material and be collapsible. A maximum of two operators shall be required to install the floorboard.

C.3.6 Storage

The boat shall be collapsible shall be capable of being rolled up and placed in a storage and transportation case.

The boat shall not weigh more than 400 pounds including the storage and transportation cases.

Stored dimensions: Any bundle shall not exceed 70 inches in length, 36 inches in width, or 26 inches in height.

The boat shall have a minimum of two collapsible storage compartments that can be used to hold the repair kit and other items.

The boat shall also have places to secure the paddles. The boat shall also have a waterproof, collapsible, and removable storage compartment that can be used to keep equipment clean and dry. The boat shall also have a storage compartment to secure the inflation system.

C.3.7 Inflation System: The inflation system shall consist of a single refillable cylinder containing enough compressed gas to inflate the boat completely. Connecting hoses shall be long enough to be attached to the boat while the cylinder is stored in its compartment on the boat. The cylinder shall have a user controlled valve. The inflation system can be operated while wearing gloves. Manual pump inflation shall be the secondary mode of inflation.

C.3.8 Paddles: There shall be a minimum of nine (9) paddles, long handle, and wide blade to be included with the boat. The paddles

shall be made of wood, finished, suitable for use, and be able to float. The paddles shall be black in color and be durable enough to withstand a minimum weight of 280 pounds, equivalent to one fully loaded combat soldier accidentally stepping on it without damage. The paddles shall be contained in their own storage and transport case.

C.3.9 Fuel Container: The fuel container or bladder shall have a rated capacity of at least 6 but no more than 10 U.S. gallons. The container shall be provided with each boat. The fuel container shall be collapsible for storage when not in use. The container shall have capacity and any fuel/oil mixing instructions imprinted on it. The fuel container shall be gasoline and oil resistant and shall have an operational life of not less than 3 years when exposed to sunlight, heat, cold, and salt water. Fuel lines between the fuel container and the engine shall be connected in a manner to prevent chafing by moving parts or by vibration. The fuel line shall not be less than 6 feet long and shall have quick disconnect fittings for connecting to the engine fuel inlet and the fuel container. The fuel line shall be gasoline and oil resistant and shall have an operational life of not less than 3 years when exposed to sunlight, heat, cold, and salt water. An integral fuel line primer bulb shall be provided. The fuel line shall be compatible with the existing fuel containers on the existing outboard motors. Tie down provisions shall also be provided for the fuel container.

C.3.10 Repair Kit: The repair kit shall include all necessary repair material, adhesive, patches, emergency repair clamps, spare valve components, tools, and instructions necessary to make a minimum of five repairs in the hull of the boat. The repair kit shall also include at least two field-expedient types of patches in the event the boat is damaged while on a mission or on the water. The repair material shall come in several different shapes in order to patch punctures and rips or tears.

C.3.11 Storage Carrying Case: The storage carrying case shall be a collapsible case that will securely contain the boat in the deflated and rolled configuration. The case shall contain a minimum of six handles. The case shall be rugged enough to resist damage in the event the boat is dropped from a height of four feet or pulled across a sandy or rocky beach. A separate storage carrying case shall be included for the floorboard assembly, the repair kit, pressure gauge, and pumps.

C.3.12 Overpressure Relief Valve:
The Inflatable boat shall have overpressure relief valves to release at manufacturer recommended pressure(s). The overpressure relief valve shall be designed to release excess pressure in the buoyancy tubes when the Inflatable boat is filled from a compressed gas source and to relieve normal air expansion due to temperature changes. (Halkey Roberts or equivalent) The following criteria will be used to determine equivalency:

Characteristic	Criteria
Type of Operation	Relief valve shall have automatic operation.
Media	Designed for use with air and or CO2.
Temperature	Designed for operation and storage as previously defined.
Utilization	Shall be self-resetting. Not single use.
Connector	Relief valve shall be replaceable.
Vent	Shall vent to atmosphere.
Mounting Position	Shall operate in any installed position
Location	Relief valve assembly shall be recessed into the buoyancy tube.
Material	Relief valve and assembly shall be made of inherently corrosion resistant material.
Quantity	Sufficient to purge excess gas from main buoyancy tubes.
Reliability	Shall be designed for rugged and continuous use.
Bypass	Shall be capable of capping off to retain pressure within the buoyancy chambers in the event of a relief valve leak. Caps shall be included with supplies accessories.

C.3.13 Pressure Retention:
The boat, with all air compartments inflated to the manufacturers recommended operating pressure, shall not lose more than 10 percent of this pressure over 24 hours of inflation. Appropriate corrections shall be made for changes in temperatures and barometric pressure.

C.3.14 reserved

C.3.15 Transfer Valve System:
A transfer valve system is required which allows air inflation and distribution through the air chambers as well as deflation of air pressure via the inflation valve connections. The valve system will allow or enhance: simultaneous fill of main buoyancy chambers, quick and complete deflation of all buoyancy chambers, transfer of air from one chamber to the other to rapidly fill one chamber after a repair, and to top off the air pressure in all chambers from a single fill point.

C.3.16 Durability:
The boat shall have a minimum five (5) year service life in the operating and storage environments listed above. It is desirable that the boat have a service life of five (5) years following ten (10) years of storage.

C.3.17 Workmanship:
Workmanship shall be of good commercial quality and shall conform to the latest standards and industry practices. All metal parts shall be clean and free of sand, dirt, scale, and flux. Surfaces shall be smooth with edges rounded and leveled. The interior and exterior of the boat shall be clean and free of foreign materials. The workmanship shall be such that the boat and accessories shall not be

prevented from fulfilling the requirements of this scope of work.

C.3.18 Operators Manual: CDRL A001: Commercial Off The Shelf (COTS) manuals shall be delivered in accordance with CDRL A001.

C.3.19 Final Inspection: At delivery of any 12-Man boat, the Contractor shall prepare and submit a certification that the boat meets the requirement of this scope of work and the Technical Information Questionnaire (TIQ) that the Government approved at award. The certification shall be submitted to the DCMA-QAR and Contract Specialist by email. The DCMA-QAR will inspect the 12-Man boat and manual and then sign off in Wide Area Workflow (WAWF) if appropriate.

C.4 System Capabilities 3-Man Boat:

The Boat Inflatable 3-Man shall consist of a boat, three (3) collapsible oars, repair kit, one (1) equipment bag, one (1) storage carrying case, two (2) foot pumps with hoses, center inflatable seat, oarlock base, two (2) oarlocks, two (2) oar positioner, inflation system, factory calibrated pressure gauge, towing bridle, and operators manual. Each inflatable boat, as specified below in paragraphs C.5 through C.6, shall be black in color.

C.5 Operating and Storage Environments:

C.5.1 The boat shall be capable of storage without degradation or damage in temperatures from -20 degree Fahrenheit to +120 degree Fahrenheit.

C.5.2 The expected operating environments are near coastal, central waterways, and open water. All material should be compatible with fresh, brackish, and salt waters. The expected operating temperature range is:
Mild cold (temperature ranges of -2 to +21 degrees F, humidity tending to saturation).
Intermediate hot dry (temperature ranges of 86 to 111 degrees F, humidity 8% to 40%).

C.5.3 The boat shall be able to withstand a minimum pressure of 2.5 times the manufacturers suggested operating pressure for 10 minutes. No evidence of failure shall occur such as seam slippage, rupture, or permanent distortion.

C.6 Boat: The 3-Man Boat shall be an inflatable boat that is capable of transporting a total payload of at least 903 pounds.

C.6.1 Hull material shall be durable coated fabric suitable for the wear, air retention, durability and storage as identified in this scope of work.

C.6.2 Dimensions:

Overall Length Fully Inflated: 9 feet minimum, maximum 10 feet

Overall Width Fully Inflated: 5 feet minimum, maximum 6 feet

C.6.3 Minimum Boat Requirements:

Buoyancy tubes: At least two (2) primary buoyancy tubes.

Fill method: Shall be capable of inflation from a foot pump.

Each air compartment of each inflation tube shall have an inflate/deflate valve. This valve is used to inflate/deflate the air compartment (2 PSI).

Side wall protection: Shall have durable rubbing strake above the water line along the exterior of the main buoyancy chambers.

The boat shall have a rigid floor that can withstand incidental damage during loading and unloading of personnel and combat equipment. The floor system shall have user-replaceable components that can be repaired or replaced in a field environment.

The boat shall have equipment tie down points along the length of the interior and exterior of the boat. The boat shall also have carrying handles along the outside of the boat that an operator can use while wearing gloves.

The bottom of the boat shall be capable of withstanding repeated beaching and landings on rock and sand without developing holes or affecting the buoyancy of the boat.

The boat shall be stable while on the water surface.

Lifelines: A single lifeline (suitable for supporting a minimum weight of 280 pounds, equivalent to one fully loaded combat soldier) of black nylon is to be fastened to the periphery of the boat.

Stowage Rings: A minimum of ten (10) corrosion resistant D rings are to be placed about the interior of the boat for securing equipment. Each stowage ring is to be suitable for securing equipment weighting 100 pounds.

Grablines: Two (2) grablines are to be installed in the interior of the boat.

Mooring Ring: A bow mooring ring of corrosion resistant material is to be included.

Towing Apparatus: Rings suitable of towing shall be installed on the fore and aft portions of the boat. A bridle suitable for towing shall be included.

Oarlocks: Oarlocks shall be attached to the left hand and right hand portions of the inflation tubes making it possible for one-man operation.

Inflatable Seat: Main body of the seat shall be an air tight chamber with its own inflate/deflate valve. The inflatable seat shall give side-to-side support for the boat.

C.6.4 Materials

Any metal components shall be made of corrosion resistant material.

The inflatable boat shall be fabricated from compatible materials, inherently corrosion resistant or treated to provide protection against the various forms of corrosion and deterioration that may be encountered in any of the applicable operation and storage environments to which the inflatable boat may be exposed.

Dissimilar metals shall not be used in intimate contact with each other unless protected against galvanic corrosion. Dissimilar metals and methods of protection are defined and detailed in Metals Handbook, Ninth edition, Volume 13, Corrosion.

The contractor shall identify the specific material, material finish or treatment for use with components and sub-components, and shall make information available upon request to the contracting officer or designated representative.

C.6.5 Storage

The boat shall be collapsible shall be capable of being rolled up and placed in a storage/transportation case.

The boat shall not weigh more than 57 pounds including the storage/transportation case. The weight 57 lbs, includes everything packed: the carrying case, inflatable boat, and equipment bag. The equipment bag holds the oars, foot pump, tow bridle, tech manual, pressure gauge, repair kit.

Stored dimensions: Any bundle shall not exceed 30 inches in length, 25 inches in width or 10 inches in height.

The boat shall have a minimum of two collapsible storage compartments that can be use to hold the repair kit and other items.

The boat shall also have places to secure the oars. The boat shall also have a waterproof, collapsible, and removable storage compartment that can be used to keep equipment clean and dry. The boat shall also have a storage compartment to secure the inflation system.

C.6.6 Inflation System: The inflation system shall consist of two (2) foot pumps and connecting hoses. The foot pumps shall have a user controlled valve consisting of a low pressure inflate, high pressure inflate and deflate ports. The inflation system can be operated while wearing gloves.

C.6.7 Oars: There shall be a minimum of three (3) collapsible oars, long handle, and wide blade to be included with the boat. The oars shall be made of wood, finished, suitable for use, and be able to float. The oars shall be black in color and be durable enough to withstand a minimum weight of 280 pounds, equivalent to one fully loaded combat soldier accidentally stepping on it without damage. The oars shall be contained in the equipment bag. Composite oars can be substituted as long as they are collapsible, can float, and are the color black.

C.6.8 Repair Kit: The repair kit shall include all necessary repair material, adhesive, patches, emergency repair clamps, spare valve components, tools, and instructions necessary to make a minimum of five repairs in the hull of the boat. The repair kit shall also include at least two field-expedient types of patches in the event the boat is damaged while on a mission or on the water. The repair material shall come in several different shapes in order to patch punctures and rips or tears.

C.6.9 Storage Carrying Case: The storage carrying case shall be a collapsible case that will securely contain the boat in the deflated and rolled configuration. The case shall contain a minimum of six handles. The case shall be rugged enough to resist damage in the event the boat is dropped from a height of four feet or pulled across a sandy or rocky beach. A separate storage carrying case shall be included for the repair kit, pressure gauge, and foot pumps.

C.6.10 Pressure Retention: The boat, with all air compartments inflated to the manufacturers recommended operating pressure, shall not lose more than 10 percent of this pressure over 24 hours of inflation. Appropriate corrections shall be made for changes in temperatures and barometric pressure.

C.6.11 Durability: The boat shall have a minimum five (5) year service life in the operating and storage environments listed above. It is desirable that the boat have a service life of five (5) years following ten (10) years of storage.

C.6.12 Workmanship: Workmanship shall be of good commercial quality and shall conform to the latest standards and industry practices. All metal parts shall be clean and free of sand, dirt, scale, and flux. Surfaces shall be smooth with edges rounded and leveled. The interior and exterior of the boat shall be clean and free of foreign materials. The workmanship shall be such that the boat and accessories shall not be prevented from fulfilling the requirements of this scope of work.

C.6.13 Operators Manual: CDRL A002: Commercial Off The Shelf (COTS) manuals shall be delivered in accordance with CDRL A002.

C.6.14 Final Inspection: At delivery of any 3-Man boat, the Contractor shall prepare and submit a certification that the boat meets the requirement of this scope of work and the Technical Information Questionnaire (TIQ) that the Government approved at award. The certification shall be submitted to the DCMA-QAR and Contract Specialist by email. The DCMA-QAR will inspect the 3-Man boat and manual and then sign off in Wide Area Workflow (WAWF) if appropriate.

*** END OF NARRATIVE C0001 ***

Name of Offeror or Contractor:

SECTION J - LIST OF ATTACHMENTS

List of Addenda	Title	Date	Number of Pages	Transmitted By
Attachment 0001	12-MAN TECHNICAL INFORMATION QUESTIONNAIRE	21-OCT-2009	003	
Attachment 0002	3-MAN TECHNICAL INFORMATION QUESTIONNAIRE	21-OCT-2009	002	

Solicitation W56HZV-09-R-0278
Attachment 0001
Technical Information Questionnaire (TIQ)

12-MAN INFLATABLE BOATS

The purpose of this questionnaire is to determine (for source selection evaluation only) the suitability of your boat to satisfy some of the requirements as stated in the specification. YOU MUST PROVIDE A RESPONSE TO ALL QUESTIONS. Failure to provide a complete documented response may result in the rejection of your Proposal.

All written information is to be in English.

Units: The data provided in the TIQ is to be provided in English units, unless otherwise specified. Metric units may be provided if clearly defined and identified.

The Offeror's submission shall have print no smaller than 10 point with margins no less than one inch (top, bottom, left, and right) excluding headers, footers and page numbers, printable on standard eight and one-half (8.5) by eleven (11) inch paper.

In addition to responding to the questions below, the Offeror shall provide the following:

1. Boat and component commercial literature/specification sheets or any other information that would substantiate the information provided. If your commercial literature does not provide information relating to a particular question, you are required to provide a

   written explanation of your ability to meet that particular requirement with your written proposal.

2. A complete copy of each of the Commercial off The Shelf (COTS) Manual that the Offeror proposes to provide under the contract. Any COTS manual must be written in English with the U.S. measuring system. The COTS will be used in the review of the TIQ.

3. A copy of the applicable warranty.

Information Notes:

Offeror must show for ALL components, the component manufacturers name and model or part number.

OPERATING AND STORAGE ENVIRONMENTS (PARAGRAPH C.2):
1. Is the boat capable of storage without degradation or damage in temperatures from -20 degrees F to +120 degrees F (Paragraph C.2.1)?
2. Can the boat withstand Mild Cold operating environment (temperature ranges of -2 to +21 degrees F, humidity tending to saturation) (Paragraph C.2.2)?
3. Can the boat withstand Intermediate hot dry operating environment (temperature ranges of 86 to 111 degrees F, humidity 8% to 40%) (Paragraph C.2.2)?
4. Can the boat withstand a minimum pressure of 2.5 times the manufacturers suggested operating pressure for 10 minutes with no evidence of failure such as seam slippage, rupture or permanent distortion (Paragraph C.2.3)?

BOAT (PARAGRAPH C.3):
5. Payload: Is the boat capable of transporting a payload, including engine with a maximum weight of 308 pounds, and fuel, of at least 3,725 pounds?

DIMENSIONS (PARAGRAPH C.3.2):
6. Does the overall outside boat length not exceed 18 feet, 17 feet minimum, fully inflated, and the overall outside width not exceed 8 feet, 7 feet minimum, fully inflated?
7. Is the inside length no longer than 13 feet, 12 feet minimum, fully inflated, and the inside width no wider than 4 feet, 3 feet minimum, fully inflated?

MINIMUM BOAT REQUIREMENTS (PARAGRAPH C.3.3):
8. Are there a minimum of four (4) primary buoyancy tubes? Describe how these tubes function during inflation, deflation and in the event of leakage or damage.
9. Does the boat have a tie down system to secure compressed gas cylinder(s)? Describe the equipment tie down system of the boat.
10. Is the fill rate, using compressed gas, less than five (5) minutes?
11. Does the boat have a durable rubbing strake above the water line, along the exterior of the main buoyancy chambers?
12. Does the boat have a rigid floor that can withstand incidental damage during loading and unloading of personnel and combat equipment? Describe the standard flooring characteristics of your boat, including durability. Does the floor system have user-replaceable components that can be repaired or replaced in a field environment?
13. Does the boat have independent flotation compartments that can be joined during inflation and deflation? Can they be isolated from

each other in the event of leakage or damage?
14. Is the boat still operable and able to float if one compartment becomes completely damaged or drained?
15. Does the boat have a heavy duty, collapsible keel?
16. Is a lifeline of black nylon, suitable for supporting a minimum weight of 280 pounds, fastened to the periphery of the boat?
17. Are there a minimum of ten (10) corrosion resistant stowage D-rings, each suitable for securing a minimum weight of 100 pounds, placed about the interior of the boat for securing equipment?
18. Are two (2) grab lines installed in the interior of the boat? Describe their location.
19. Are self-bailers installed? Provide the number and their location.
20. Is there a single point clevis, heavy duty, lifting sling included, suitable for lifting the entire boat, accessories and motor with a safety factor of 2.5?
21. Is there a bow mooring ring, of corrosion resistant material, included?
22. Is there a bridle and rings, suitable for towing, installed on the fore and aft portions of the boat? Describe the number and location.
23. Describe the transom of the boat.
    a. Is the transom of the boat capable of supporting and attaching long shaft, 20 inch, outboard motors with an estimated weight of 308 pounds (Paragraph C.3.4.2)?
    b. Is the transom of the boat capable of full throttle propulsion for the following configuration? Standard floor (aluminum slats), with an 80 horsepower outboard motor, maximum weight of engine 308 pounds (Paragraph C.3.4.2.2).

MATERIALS (PARAGRAPH 3.5):
24. Describe the quality, characteristics and durability of the boat materials, including metal components and flooring.
    a. Are all metal components made of corrosion resistant material?
    b. Is the boat fabricated from compatible material, inherently corrosion resistant or treated to provide protection against corrosion and deterioration to which the boat may be exposed during applicable operation and storage?
    c. Can a maximum of two (2) operators install the floorboard?
    d. Is there an optional collapsible roll-up flooring system, constructed of lightweight (aluminum slats), corrosion resistant material, compatible with use of an 80 horsepower outboard motor, maximum weight of engine 308 pounds, as specified in Paragraph C.3.14?

STORAGE (PARAGRAPH 3.6):
25. Describe the number, dimensions and characteristics of proposed storage compartments and carrying cases.
    a. Can the boat be deflated and rolled up and placed in a storage and carrying case?
    b. Does the boat have a minimum of two (2) collapsible storage compartments that can be used to hold the repair kit and other items?
    c. Does the boat have a waterproof, collapsible and removable storage compartment that can be used to keep equipment clean and dry?
    d. Does the boat have a storage compartment to secure the inflation system?
26. Does the weight of the boat, including the storage and carrying case, exceed 400 pounds?
27. Can the boat be stored with no bundle exceeding 70 inches in length, 36 inches wide, and 26 inches in height?
28. Does the boat have places to secure the paddles? Where are they located?

INFLATION SYSTEM (PARAGRAPH C.3.7):
29. Describe the inflation system of the boat, including primary inflation mode, method for secondary (manual) boat inflation, fill rate, compressed gas cylinder capacity, minimum pressure test requirements, overpressure relief valves, and transfer valves.
    a. Does the inflation system have a single, refillable cylinder containing enough compressed gas to inflate the boat completely?
    b. Are the connecting hoses long enough to be attached to the boat while the cylinder is stored in its compartment on the boat?
    c. Does the cylinder have a user controlled valve that can be operated while wearing gloves?
    d. Is the boat equipped with two (2) hand or foot pumps and connecting hoses for a secondary mode of inflation?
    e. Does the boat have over pressure relief valves as specified in Paragraph C.3.12?
    f. Does the boat include a transfer valve system which allows air inflation and deflation as well as distribution through the air chambers as specified in Paragraph C.3.15?

PADDLES (PARAGRAPH C.3.8):
30. Is the boat equipped with at least nine (9) each long handle, wide blade, wood, floatable, black paddles?
    a. Are they finished, suitable for use?
    b. Can the paddles withstand a minimum weight of 280 pounds, without damage?
    c. Is the boat equipped with an equipment bag to contain the paddles?

FUEL CONTAINER (PARAGRAPH C.3.9):
31. Is the fuel container or bladder collapsible and does it have a rated capacity of at least six (6), but no more than ten (10) U.S. gallons, with the fuel/oil mixing instruction and capacity imprinted on it?

REPAIR KIT (PARAGRAPH C.3.10):
32. Is the boat equipped with a repair kit? Does this repair kit contain instructions, and enough repair material, adhesives, patches,

emergency repair clamps, spare valve components and tools to make a minimum of five (5) repairs in the hull of the boat?

STORAGE CARRYING CASE (PARAGRAPH C.3.11):

33. Is the boat equipped with a boat storage carrying case? If so, describe the boat storage carrying case.
    a. Is the storage carrying case a collapsible case that will securely contain the boat in the deflated and rolled configuration?
    b. Does the case have a minimum of six (6) handles?
    c. Is it rugged enough to resist damage if dropped from a height of 4 feet or pulled across a sandy or rocky beach?
    d. Is there a separate storage case for the floorboard assembly, repair kit, pressure gage and pumps?

PRESSURE RETENTION (PARAGRAPH C.3.13):

34. When fully inflated to the manufacturers recommended operating pressure, will the boat retain at least 90% air pressure over 24 hours of inflation?

Solicitation W56HZV-09-R-0278
Attachment 0002
Technical Information Questionnaire (TIQ)

3-MAN INFLATABLE BOATS

The purpose of this questionnaire is to determine (for source selection evaluation only) the suitability of your boat to satisfy some of the requirements as stated in the specification. YOU MUST PROVIDE A RESPONSE TO ALL QUESTIONS. Failure to provide a complete documented response may result in the rejection of your Proposal.

All written information is to be in English.

Units: The data provided in the TIQ is to be provided in English units, unless otherwise specified. Metric units may be provided if clearly defined and identified.

The Offeror's submission shall have print no smaller than 10 point with margins no less than one inch (top, bottom, left, and right) excluding headers, footers and page numbers, printable on standard eight and one-half (8.5) by eleven (11) inch paper.

In addition to responding to the questions below, the Offeror shall provide the following:

1. Boat and component commercial literature/specification sheets or any other information that would substantiate the information provided. If your commercial literature does not provide information relating to a particular question, you are required to provide a written explanation of your ability to meet that particular requirement with your written proposal.

2. A complete copy of each of the Commercial off The Shelf (COTS) Manual that the Offeror proposes to provide under the contract. Any COTS manual must be written in English with the U.S. measuring system. The COTS will be used in the review of the TIQ.

3. A copy of the applicable warranty.

Information Notes:

Offeror must show for ALL components, the component manufacturers name and model or part number.

OPERATING AND STORAGE ENVIRONMENTS (PARAGRAPH C.5):
1. Is the boat capable of storage without degradation or damage in temperatures from -20 degrees F to +120 degrees F (Paragraph C.5.1)?
2. Can the boat withstand Mild Cold operating environment (temperature ranges of -2 to +21 degrees F, humidity tending to saturation) (Paragraph C.5.2)?
3. Can the boat withstand Intermediate hot dry operating environment (temperature ranges of 86 to 111 degrees F, humidity 8% to 40%) (Paragraph C.5.2)?
4. Can the boat withstand a minimum pressure of 2.5 times the manufacturers suggested operating pressure for 10 minutes with no evidence of failure such as seam slippage, rupture or permanent distortion (Paragraph C.5.3)?

BOAT (PARAGRAPH C.6):
5. Payload: Is the boat capable of transporting a payload of at least 903 pounds?

DIMENSIONS (PARAGRAPH C.6.2):
6. Does the overall outside boat length not exceed 10 feet maximum, 9 feet minimum, fully inflated, and the overall outside boat width not exceed 6 feet maximum, 5 feet minimum, fully inflated?

MINIMUM BOAT REQUIREMENTS (PARAGRAPH C.6.3):
7. Are there a minimum of two (2) primary buoyancy tubes? Does each buoyancy tube have inflate/deflate valves capable of inflation/deflation at 2 PSI?
8. Can the boat be inflated using a foot pump?
9. Does the boat have a durable rubbing strake above the water line, along the exterior of the main buoyancy chambers?
10. Describe the flooring characteristics, including durability.
    a. Does the boat have a rigid floor that can withstand incidental damage during loading and unloading of personnel and combat equipment?
    b. Does the floor system have user-replaceable components that can be repaired or replaced in a field environment?
11. Does the boat have equipment tie down points along the length of the interior and exterior of the boat?
12. Is a lifeline, of black nylon, suitable for supporting a minimum weight of 280 pounds, fastened to the periphery of the

boat?
13. Are there a minimum of ten (10) corrosion resistant stowage D rings, each suitable for securing a minimum weight of 100 pounds, placed about the interior of the boat for securing equipment?
14. Are two (2) grab lines installed in the interior of the boat?
15. Is there a bridle and rings, installed on the fore and aft portions of the boat and suitable for towing, included?
16. Is there a bow mooring ring, of corrosion resistant material, included?
17. Are oarlocks attached to the left and right hand portions of the inflatable tubes for one-man operation?
18. Is there an inflatable seat providing side-to-side support for the boat; the main body of the seat having its own inflate/deflate valve?

MATERIALS (PARAGRAPH 6.4):
19. Describe the quality, characteristics and durability of the boat materials, including metal components and flooring.
    a. Are all metal components made of corrosion resistant material?
    b. Is the boat fabricated from compatible material, inherently corrosion resistant or treated to provide protection against corrosion and deterioration to which the boat may be exposed during applicable operation and storage?

STORAGE (PARAGRAPH 6.5):
20. Describe the number, dimensions and characteristics of proposed storage compartments and carrying cases.
    a. Can the boat be deflated and rolled up and placed in a storage and carrying case?
    b. Does the boat have a minimum of two (2) collapsible storage compartments that can be used to hold the repair kit and other items?
    c. Does the boat have a waterproof, collapsible and removable storage compartment that can be used to keep equipment clean and dry?
    d. Does the boat have a storage compartment to secure the inflation system?
21. Does the weight of the boat, including the storage and carrying case, exceed 57 pounds?
22. Can the boat be stored with no bundle exceeding 30 inches in length, 25 inches wide, and 10 inches in height?
23. Does the boat have places to secure the oars?

INFLATION SYSTEM (PARAGRAPH C.6.6):
24. Describe the inflation system of the boat, including the method for manual inflation.
    a. Is the boat equipped with two (2) foot pumps and connecting hoses?
    b. Do the foot pumps have a user controlled valve consisting of high and low pressure inflate and deflate ports?
    c. Can the inflation system be operated while wearing gloves?

OARS (PARAGRAPH C.6.7):
25. Is the boat equipped with at least three (3) each collapsible, long handle, wide blade, wood, floatable, black oars?
    a. Are they finished, suitable for use?
    b. Can the oars withstand a minimum weight of 280 pounds, without damage?
    c. Is the boat equipped with an equipment bag to contain the oars?

REPAIR KIT (PARAGRAPH C.6.8):
26. Is the boat equipped with a repair kit? Does this repair kit contain instructions, and enough repair material, adhesives, patches, emergency repair clamps, spare valve components and tools to make a minimum of five (5) repairs in the hull of the boat?

STORAGE CARRYING CASE (PARAGRAPH C.6.9):
27. Is the boat equipped with a boat storage and transfer case? If so, describe the boat storage and transfer case.
    a. Is the storage carrying case a collapsible case that will securely contain the boat in the deflated and rolled configuration?
    b. Does the case have a minimum of six (6) handles?
    c. Is it rugged enough to resist damage if dropped from a height of 4 feet or pulled across a sandy or rocky beach?
    d. Is there a separate storage case for the, repair kit, pressure gage and foot pump?

PRESSURE RETENTION (PARAGRAPH C.6.10):
28. When fully inflated to the manufacturers recommended operating pressure, will the boat retain at least 90% air pressure over 24 hours of inflation?